

REMARKS

Table 1 (pages 3-7) of the application is amended to give SEQ ID NOs. to the sequences listed therein, as requested by the Patent Office. The addition of these SEQ ID NOs. adds no new matter to the application.

Additional amendments are made to Table 1 in order to correct typographical and minor errors. In Table 1, page 4 of the application, the accession number for the Cotton leaf curl virus, Pakistan isolate (clc804a), is amended from "AJ02452" to "AJ002452" to correct a typographical error. In Table 1, page 5 of the application, the virus name "Pepper hausteco virus" is amended to "Pepper huasteco virus" to correct a typographical error. These amendments add no new matter to the application.

In Table 1, page 6 of the application, the same accession number of "U38239" is given for both the Bangalor-1 and Bangalor-2 isolates of Tomato leaf curl virus. The accession number for the Bangalor-1 isolate has been amended to "NC 003891". Since two different sequences clearly cannot have the same accession number, and since the name of the virus, Bangalor-1 isolate, is correct in the application as filed, this amendment adds no new matter to the application.

It is requested that these amendments be entered into the case.

Respectfully submitted,

Date: January 7, 2003

By:

Pamela A. Docherty
Pamela A. Docherty, Reg. No. 40,591
(216) 622-8416

Version with Markings to Show Changes Made

IN THE SPECIFICATION

Table 1, pages 3-7 (please see next page of this response)

Table 1

Accession Numbers for geminivirus DNA sequences containing the AL2 gene
(also known as AC2 or C2), which encodes TrAP.

<u>Virus</u>	<u>Accession Number</u>
Abutilon mosiac virus Hawaii strain	U51137 (<u>SEQ ID NO. 76</u>)
Abutilon mosaic virus West Indies isolate	X15983 (<u>SEQ ID NO. 77</u>)
African cassava mosaic virus West Kenyan isolate	J02057 (<u>SEQ ID NO. 78</u>)
African cassava mosaic virus Nigerian isolate	X17095 (<u>SEQ ID NO. 79</u>)
Ageratum yellow vein virus	X74516 (<u>SEQ ID NO. 80</u>)
Althea rose enation virus Egypt isolate	AF014881 (<u>SEQ ID NO. 81</u>)
Angled luffa leaf curl virus Thailand isolate	AF102276 (<u>SEQ ID NO. 82</u>) /AF061339 (<u>SEQ ID NO. 83</u>)
Bean dwarf mosaic virus	M88179 (<u>SEQ ID NO. 84</u>)
Bean golden mosaic virus Puerto Rico isolate	M10070 (<u>SEQ ID NO. 85</u>)
Bean golden mosaic virus Brazil isolate	M88686 (<u>SEQ ID NO. 86</u>)

Table 1 (con't)

Bean golden mosaic virus Dominican Republic isolate	L01635 (SEQ ID NO. 87)
Bean golden mosaic virus Guatemala isolate	M91604 (SEQ ID NO. 88)
Cabbage leaf curl virus	U65529 (SEQ ID NO. 89)
Chayote mosaic virus Ibadan (Nigeria) isolate	AJ223191 (SEQ ID NO. 90)
Cowpea golden mosaic virus Nsukka (Nigeria) isolate	AF029217 (SEQ ID NO. 91)
Cotton leaf curl virus Pakistan isolate (clc62)	AJ002447 (SEQ ID NO. 92)
Cotton leaf curl virus Pakistan isolate (clc72b)	AJ002448 (SEQ ID NO. 93)
Cotton leaf curl virus Pakistan isolate (clc806b)	AJ002449 (SEQ ID NO. 94)
Cotton leaf curl virus Pakistan isolate (clc804a)	AJ002452 (SEQ ID NO. 95)
Cotton leaf curl virus Pakistan isolate (clc802a)	AJ002455 (SEQ ID NO. 96)
Cotton leaf curl virus Pakistan isolate (clc26)	AJ002458 (SEQ ID NO. 97)
Cotton leaf curl virus Pakistan okra leaf curl isolate (olc311)	AJ002459 (SEQ ID NO. 98)
Havana tomato virus Cuba isolate	Y14874 (SEQ ID NO. 99)
Indian cassava mosaic virus	Z24758 (SEQ ID NO. 100)
Indian mungbean yellow mosaic virus Isolate bg3	AF126406 (SEQ ID NO. 101)
Ipomoea yellow vein virus Spain isolate	AJ132548 (SEQ ID NO. 102)
Mungbean yellow mosaic virus Japan isolate	D14703 (SEQ ID NO. 103)

Table 1 (con't)

Mungbean yellow mosaic virus Thailand isolate	AB017341 (SEQ ID NO. 104)
Okra yellow vein virus Pakistan isolate (oyvm201)	AJ002451 (SEQ ID NO. 105)
Okra yellow vein virus Pakistan isolate (oyvm301)	AJ002453 (SEQ ID NO. 106)
Papaya yellow mosaic virus	Y15934 (SEQ ID NO. 107)
Pepper h[a]uasteco virus Mexico isolate	X70418 (SEQ ID NO. 108)
Potato yellow mosaic virus	D00940 (SEQ ID NO. 109)
Sida golden mosaic virus Costa Rica isolate	X99550 (SEQ ID NO. 110)
Sida golden mosaic virus Honduras isolate	Y11097 (SEQ ID NO. 111)
Sida golden mosaic virus Honduras isolate (yellow vein)	Y11099 (SEQ ID NO. 112)
Sida golden mosaic virus Florida isolate	AF049336 (SEQ ID NO. 113)
Squash leaf curl virus Extended host range isolate (California)	M38183 (SEQ ID NO. 114)
Squash leaf curl virus China isolate	AB027465 (SEQ ID NO. 115)
Taino tomato mottle virus Cuba isolate	AF012300 (SEQ ID NO. 116)
Texas pepper virus Tamuilipas (Mexico) isolate	U57457 (SEQ ID NO. 117)
Tomato golden mosaic virus Brazil isolate	K02029 (SEQ ID NO. 118)
Tomato leaf crumple virus Mexico isolate	AF101476 (SEQ ID NO. 119)
Tomato mottle virus Florida isolate	L14460 (SEQ ID NO. 120)

Table 1 (con't)

Tomato leaf curl virus Australia isolate	S53251 (SEQ ID NO. 121)
Tomato leaf curl virus Australia isolate-D1	AF084006 (SEQ ID NO. 122)
Tomato leaf curl virus Australia isolate-D2	AF084007 (SEQ ID NO. 123)
Tomato leaf curl virus New Delhi-1 (India) isolate	U15015 (SEQ ID NO. 124) /U15017 (SEQ ID NO. 125)
Tomato leaf curl virus New Dehli-2 (India) isolate	U15016 (SEQ ID NO. 126)
Tomato leaf curl virus India isolate	Z48182 (SEQ ID NO. 127)
Tomato leaf curl virus Bangalor-1 isolate	[U38239] NC 003891 (SEQ ID NO. 128)
Tomato leaf curl virus Bangalor-2 isolate	U38239 (SEQ ID NO. 129)
Tomato leaf curl virus Senegal isolate	D88800 (SEQ ID NO. 130)
Tomato leaf curl virus India isolate	Y16421 (SEQ ID NO. 131)
Tomato leaf curl virus Panama isolate	Y15034 (SEQ ID NO. 132)
Tomato yellow leaf curl virus Israel isolate	X15656 (SEQ ID NO. 133)
Tomato yellow leaf curl virus Israel-2 isolate	X76319 (SEQ ID NO. 134)
Tomato yellow leaf curl virus Sardinia isolate	X61153 (SEQ ID NO. 135)
Tomato yellow leaf curl virus Sicily isolate	Z28390 (SEQ ID NO. 136)
Tomato yellow leaf curl virus Murcia (Spain) isolate	Z25751 (SEQ ID NO. 137)

Table 1 (con't)

Tomato yellow leaf curl virus Almeria (Spain) isolate	<u>L27708 (SEQ ID NO. 138)</u>
Tomato yellow leaf curl virus Portugal isolate	AF105975 <u>(SEQ ID NO. 139)</u>
Tomato yellow leaf curl virus Spain isolate (Sp7297)	AF071228 <u>(SEQ ID NO. 140)</u>
Tomato yellow leaf curl virus Spain isolate	AJ223505 <u>(SEQ ID NO. 141)</u>
Tomato yellow leaf curl virus Dominican Republic isolate	AF024715 <u>(SEQ ID NO. 142)</u>
Tomato yellow leaf curl virus Iran isolate	AJ132711 <u>(SEQ ID NO. 143)</u>
Tomato yellow leaf curl virus Shizuoka (Japan) isolate	AB014346 <u>(SEQ ID NO. 144)</u>
Tomato yellow leaf curl virus Aichi (Japan) isolate	AB014347 <u>(SEQ ID NO. 145)</u>
Tomato yellow leaf curl virus Taiwan isolate	U88692 <u>(SEQ ID NO. 146)</u>
Vigna mungo yellow mosaic virus India isolate	AJ132575 <u>(SEQ ID NO. 147)</u>